BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 750000.00

Name of Work: Estimate for Supply of Water Through Water Tankers in Ward No.10 (Doddabommasandra), Vidyaranyapua Sub Division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete **P.No. 49, I. No. 6.40.2 KPWD Electrical SR 2014-15**	Sq.Cm							
	16SWG		10x2	120.00	60.00		144000.00		
			10	360.00	25.00		90000.00		
							234000.00	0.33	**77220.00**
2	Supplying of ISI marked galvanized mild steel tube (continously welded electric resistance welded (ERW) high frequency, induction welded (HFIW) Hot finished welded type of nominal bore given below screwed at both ends as per IS 554/1986 with latest amendments, pipes threaftes at one end and the other end protected asper specification in random lengths of 4 to 7 mtrs Confirming to IS 1239 part I/1990 with amendament 1-5 and with all its latest amendements if any. The pipes supplied should be with BIS mark No 3/08-09 2406/15.10.2008	Rmtr							
			1	91.00			**91.00**	375.00	**34125.00**
3	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 **Page No. 5 / Item No. 2.3 of PWD SR 2016-17**	Cum							
			7	3.00	1.90	1.50	59.85		
	Basic Rate	189.00					**59.85**	312.78	**18720.00**
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
		295.08							
	Area Weightage @ 6%	17.70							
	Total	**312.78**							
	Above 1.5 Mtrs Depth Add 25% Extra		7	3.00	1.90	0.50	19.95		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	236.25					**19.95**	362.87	**7239.00**
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
		342.33							
	Area Weightage @ 6%	20.54							
	Total	**362.87**							
4	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.3 of PWD SR 2016-17**	Cum							
			7x2	3.00	0.60	0.15	3.78		
			7x2	1.90	0.60	0.15	2.39		
	Basic Rate	4867.00					**6.17**	5159.02	**31852.00**
	Area Weightage @ 6%	292.02							
	Total	**5159.02**							
5	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 23 / Item No. 5.9, PWD SR 2016-17**	Cum							
	Culvert		7x2	3.00	0.60	1.00	25.20		
			7x2	1.90	0.60	1.00	15.96		
			7x2	3.00	0.45	0.75	14.18		
			7x2	1.90	0.45	0.75	8.98		
	Basic Rate	5005.00					**64.31**	5305.30	**341197.00**
	Area Weightage @ 6%	300.30							
	Total	**5305.30**							
6	KSRB 15.1.2 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:4, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications **Page No. 113 / Item No. 15.2, PWD SR 2016-17**	Sqm							
			7x2	2.00		1.75	49.00		
			7x2	1.90		1.75	46.55		
	Basic Rate	95.00					**95.55**	100.70	**9622.00**
	Area Weightage @ 6%	5.70							
	Total	**100.70**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
7	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation, plinth and cills**, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.6 PWD SR 2016-17**	Cum							
	Culvert Coping		7x2	3.00	0.45	0.10	1.89		
			7x2	1.90	0.45	0.10	1.20		
	Basic Rate	5441.00					**3.09**	5767.46	**17804.00**
	Area Weightage @ 6%	326.46							
	Total	**5767.46**							
8	Providing **precast slab of 250mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge - Data rate	Sqm							
	Deck Slab		7x5	0.60	1.90		39.90		
							39.90	5125.00	**204488.00**
	Approved Rate	5125.00							
	Sub Total								**742267.00**
	Third Party inspection Charges @ 1%								**7423.00**
	Miscellaneous and other Charges	L/S							**310.00**
								Total	**750000.00**
Rupees Seven Lakh(s) Fifty Thousand Only									

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2016-17.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division
Bangalore-97.

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
Bangalore - 92

ADMINISTRATIVE APPROVAL
Accorded For Rs. Seven lakhs fifty thousand only
Head of A/c P-1802
Div. Ref. No. 05/17-18 Dtd. 18/04/17
AE 18/04 EE(BTP)

TECHNICAL SANCTION
Accorded For Rs. Seven lakhs fifty thousand only
Head of A/c P-1802
Div. Ref. No. 06/17-18 Dtd. 18/04/17
AE 18/04 EE(BTP)